

piece 1, NC\_000913, yciX\_acnA+, config: linear, direction: +, begin: 1333453, end: 1333874

5' t t t g c t g a a g a t g a t c a g c c g a a a c a a t a a t t a t c a t c a t t c t t a t t a c c c a t t t t t a a t g a a t t a a g g g c t t t t a a t a c 3'

- phe - ala - glu - asp - asp - gln - pro - lys - gln - leu - leu - lys - met - ile - ser - arg - asn - asn - asn - tyr - his - his - ser - tyr - tyr - pro - phe - leu - met - asn -



{-----} p35-(21)-p10 1333476 Gap 3.3 bits

|-----| p35-p10 1333476 total 4.2 bits

{-----} p35 1.1 bits p10 4.6 bits

{-----} p35-(24)-p10 1333479 Gap 2.4 bits p35-p10 1333479 total 6.5 bits

p10 6.3 bits

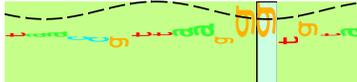
{-----} p35-(21)-p10 1333485 Gap 3.3 bits p35-p10 1333485 total 4.1 bits

p35 1.2 bits

{-----} p35-(23)-p10 1333508 Gap 1.4 bits p35-p10 1333508 total 4.2 bits

5' a c c g c a g c a a t a a c a g c t t g a g t t a t c t c a a c a c a a a a t a a t a a c g t t a a g g g t g t a g c c t a t g a t c a a c a c a a a t a t g a 3'

-fMet - ser - tyr - leu - asn - thr - lys - -fMet - fMet - ile - asp - thr - asp - met - lys -



{-----} sd-(9)-ir 1333596 Gap 2.3 bits sd-ir 1333596 yciX\_acnA+ total 12.4 bits

... p10 1.5 bits

5' a a t a t t g g t c c t g g a t g g g c g c g t t t t c t c t g t c g a t g c t c t t c t g g g c c g a a c t c c t c t g g a t c a t t a c t c a c t g a t c c t 3'

-fMet - val - leu - asp - gly - arg - val - phe - ser - val - asp - ala - leu - leu - gly - arg - thr - pro - leu - asp - his - tyr - ser - leu - ile - leu - tyr - trp - ser - trp - met - gly - ala - phe - ser - leu - ser - met - leu - phe - trp - ala - glu - leu - leu - trp - ile - ile - thr - his - -fMet -

###> orf 32 codons

5' t g a c c c g c t g c g g c g g g g t t g t c a t t t g c o t t t g c c a c a a g g t t t c t c c t c t t t t a t c a a t t t g g g t t g t t a t c a a a t c g t 3'

- asp - pro - ala - ala - ala - gly - leu - ser - phe - ala - leu - pro - gln - gly - phe - ser - ser - phe - ile - asn - leu - gly - cys - tyr - gln - ile - val - thr - pro - leu - arg - arg - gly - cys - his - leu - leu - cys - his - lys - val - ser - pro - leu - leu - ser - ile - trp - val - val - ile - lys - ser - leu -



{-----} p35-(25)-p10 1333748 Gap 4.0 bits  
|-----| p35-p10 1333748 total 4.5 bits

\*1333780 \*            \*1333790 \*            \*1333800 \*            \*1333810 \*            \*1333820 \*            \*1333830 \*            \*1333840 \*            \*1333850 \*  
5' t a c g c g a t g t t t g t g t t a t c t t t a a t a t t c a c c c t g a a g a g a a t c a g g g c t t c g o a a c c c t g t c a t t a a g g a g g a g c t a t g 3'  
- thr - ala - met - phe - val - leu - ser - leu - ile - phe - thr - leu - lys - arg - ile - arg - ala - ser - gln - pro - cys - his - fMet -  
- arg - asp - val - cys - val - ile - phe - asn - ile - his - pro - glu - glu - asn - gln - gly - phe - ala - thr - leu - ser - leu - arg - arg - ser - tyr - val -



sd [----- ... NC\_000913.acnA  
... ir  
{-----} sd-(8)-ir 1333855 Gap 2.4 bits  
|-----| sd-ir 1333855 yciX\_acnA+ total 10.

\*1333860 \*            \*1333870 \*  
5' t c g t c a a c c c t a c g a g a 3'  
- ser - ser - thr - leu - arg -  
- val - asn - pro - thr - arg -

... ----- ... NC\_000913.acnA

